

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-18. (Cancelled)

19. (Currently Amended) A method, in a packet switched telecommunications network having a plurality of nodes, for providing resource reservation between a reservation initiator and a reservation receiver of an ON-OFF like traffic, comprising the steps of:

defining an object including descriptors of the desired Quality of Service (QoS), packet level traffic parameters characterizing the traffic envelope wherein said traffic envelope represents the upper bound of said ON-OFF traffic, and sub-object of description of source statistics for a call admission control wherein said source statistics include distribution type and parameters representing the behavior of said ON-OFF traffic wherein the parameter includes a length of the ON periods and wherein the parameter of the length of the ON periods is the mean time of ON periods;

initializing reservation for a flow of transmission of the ON-OFF like traffic in the reservation initiator;

reserving resources in the nodes along the flow of transmission with the use of said object wherein nodes are routers of a Terrestrial Radio Access Network of a Universal Mobile Telecommunications Network (UTRAN) ;

receiving reservation message in the reservation receiver; and,
sending back an acknowledgement to the reservation initiator.

20. (Previously Presented) The method of claim 19, wherein the call admission control uses the description of source statistics in each node along the flow of transmission.

21. (Cancelled)

22. (Previously Presented) The method of claim 19, wherein the distribution type includes a length of the ON and/or OFF periods and wherein the distribution type of the length of the ON and/or OFF periods are exponential.

23. (Cancelled)

24. (Currently Amended) The method of claim 19, wherein the parameter includes a length of the OFF periods and wherein the parameter of the length of the OFF periods is the mean time of ~~ON~~ OFF periods.

25. (Previously Presented) The method of claim 19, wherein said packet switched telecommunications network is an IP based network.

26. (Cancelled)

27. (Previously Presented) The method of claim 19, wherein the call admission control uses said description of source statistics in edge nodes of a resource domain along the flow of transmission.

28. (Currently Amended) A system for providing resource reservation in a packet switched network including a reservation initiator (RI), a reservation receiver (RR) and a plurality of nodes linked together by transmission channels, in which system the resource reservation of an ON-OFF like traffic is implemented and wherein at least a part of the plurality of nodes comprise:

means for processing descriptors of the desired QoS;

means for processing packet level traffic parameters characterizing the traffic envelope wherein said traffic envelope represents the upper bound of said ON-OFF traffic; and,

means for processing description of source statistics wherein said source statistics include distribution type and parameters representing the behavior of said ON-OFF traffic wherein the parameter includes a length of the ON periods and wherein the parameter of the length of the ON periods is the mean time of ON periods; and
wherein nodes are routers of a Terrestrial Radio Access Network of a Universal Mobile Telecommunications Network (UTRAN).

29. (Previously Presented) The system of claim 28, wherein the reservation initiator (RI) is a base station controller and the reservation receiver (RR) is a radio network controller of the packet switched network.

30. (Previously Presented) The system of claim 28, wherein the reservation initiator (RI) is a radio network controller and the reservation receiver (RR) is a base station controller of the packet switched network.

31. (Previously Presented) The system of claim 28, wherein the nodes are IP routers of an IP network.

32. (Currently Amended) A node in a packet switched telecommunication network wherein said node is associated with a resource reservation of an ON-OFF like traffic in said telecommunication network, said node comprising sub-objects of
descriptors of the desired QoS;
packet level traffic parameters characterizing the traffic envelope representing the upper bound of said ON-OFF traffic; and
a description of source statistics including distribution type and parameters representing the behavior of said ON-OFF traffic wherein the parameter includes a length of the ON periods and wherein the parameter of the length of the ON periods is the mean time of ON periods; and
wherein said node is a router of a Terrestrial Radio Access Network of a Universal Mobile Telecommunications Network (UTRAN).

33. (Previously Presented) The node of Claim 32 wherein the distribution type includes a length of the ON and/or OFF periods and wherein the distribution type of the length of said ON and/or OFF periods is exponential.

34. (Cancelled)

35. (Currently Amended) The node of Claim 32 wherein the parameters include a length of the OFF periods and wherein the parameter of the length of the OFF periods is the mean time of Θ ON OFF periods.

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